Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/08/2015 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124112	-1	2.43	123908	2.35
Blue	F	SSC	125000	123305	-2	3.06	124285	2.84
Blue	E	FITC	17998	17463	-3	2.46	987	8.90
Blue	D	PE	23234	22579	-3	2.08	1020	7.75
Blue	B	PerCP-Cy5-5	69571	68073	-3	2.78	1791	12.85
Blue	A	PE-Cy7	77815	77850	0	3.82	1021	23.99
Red	C	APC	65936	64839	-2	2.53	3660	8.08
Red	A	APC-Cy7	100669	97913	-3	2.54	1931	7.87
Violet	B	V450	10405	9958	-5	4.02	619	8.60
Violet	A	V500	47250	45630	-4	3.69	2583	6.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19198	10.42	602	23	N/A	N/A	Pass
Blue	F	SSC	61583	1.76	512	23	N/A	N/A	Pass
Blue	E	FITC	106	32.95	528	13	0.0245	0	Pass
Blue	D	PE	211	23.32	521	14	0.1863	123	Pass
Blue	B	PerCP-Cy5-5	215	38.29	606	16	0.0117	0	Pass
Blue	A	PE-Cy7	74	98.84	664	18	0.0161	16	Pass
Red	C	APC	342	25.60	584	6	0.0212	0	Pass
Red	A	APC-Cy7	122	36.39	564	5	0.0048	496	Pass
Violet	B	V450	65	44.48	468	18	0.0435	2023	Pass
Violet	A	V500	169	23.11	508	20	0.0129	250	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.36	-31.27	0.73
Blue	20.45	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.19
Red	15.67	13.07 - 19.61	N/A	N/A	31.76	32.12	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 14247

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments